

ABSTRACT
ON-CHIP EMULATOR COMMUNICATION

There is disclosed a method of communicating with an
5 integrated circuit chip having plural components thereon,
the components including digital processing circuitry and
an on-chip emulator connected to the digital processing
circuitry for initiating command and control sequences
for the digital processing circuitry in response to
10 externally applied signals or in response to detected
states of the digital processing circuitry. The method
comprising of providing a universal serial bus having
first and second ends, the first end being connected to
the on-chip emulator; providing a computer device having
15 a digital processor, a universal serial bus port
connected to the second end of the universal serial bus,
and a second port for connection to a communication
channel; assigning at least one of the components with a
respective address; sending a remote procedure call from
20 the component over the universal serial bus to the
computer device, the remote procedure call including data
indicative of the address of the component; in response
thereto, causing the computer device to generate a socket
call over the communication channel thereby creating a
25 first socket at the computer device and a second socket
at a computer connected to the communication channel; in
the computer device, receiving a response at the first
socket; and sending information derived from the response
over the universal serial bus to the component.

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